

Homework - Sizing Them Up

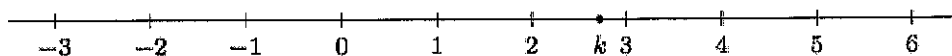
1. On a recent episode of *Who Wants to Be a Billionaire*, a contestant was asked to arrange the following five numbers in increasing order. You try it, too.

- (a) $\frac{2}{3}$ (b) 0.6666 (c) $\frac{3}{5}$ (d) 0.666 (e) 0.67

2. Which number is closer to 0, $-\frac{4}{5}$ or $\frac{5}{4}$? Justify your answer.

3. As shown on the number line below, k represents an unknown number between 2 and 3. Plot each of the following, extending the line if necessary:

- (a) $k + 3$ (b) $k - 2$ (c) $-k$ (d) $6 - k$



4. It is customary in algebra to omit multiplication symbols whenever possible. For example, $11x$ means the same thing as $11 \cdot x$. Which of the following can be condensed by leaving out a multiplication symbol? (a) $4 \cdot \frac{1}{3}$ (b) $1.08 \cdot p$ (c) $24 \cdot 52$ (d) $5 \cdot (2 + x)$

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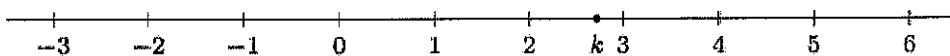
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